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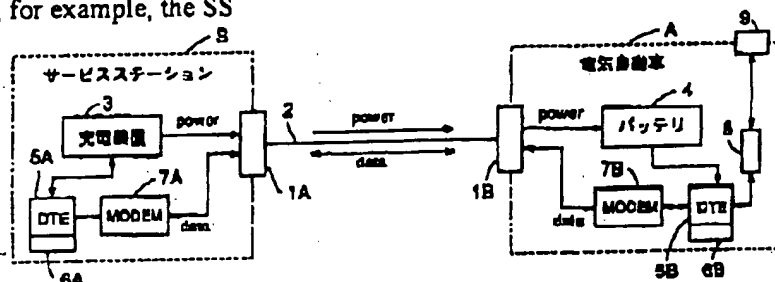
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## (54) ELECTRIC AUTOMOBILE CHARGING SYSTEM

(57)Abstract:

**PURPOSE:** To provide the system capable of surely performing data communication without mixture of noise at the time of charging the battery of an electric automobile in a service station.

**CONSTITUTION:** A service station S and an electric automobile A are provided with MODEMs 7A and 7B, data terminals 5A and 5B, and memories 6A and 6B, etc., respectively. A power cable 2 is connected between connectors 1A and 1B of the service station S and the electric automobile A, and the charging current is supplied from a charging device 3 to a battery 4 through the cable 2, and data signals obtained by modulating data from data terminals 5A and 5B by MODEMs 7A and 7B are superposed on the charging current and are transmitted and received. MODEMs 7A and 7B have the constitution of, for example, the SS system.



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